TestAmerica
INCORPORATED

JAN 7 2000

# ANALYTICAL REPORT

Mr. Richard Tyler
MILBANK MANUFACTURING INC
1400 E. HAVENS ST.
KOKOMO, IN 56901-3188

12/30/1999

Job Number: 99.07246


Enclosed are the Analytical Results for the following samples submitted to TestAmerica, Inc. Indianapolis Division for analysis:

Project Description: SEMI-ANNUAL WASTEWATER ANALYSIS

| Sample Number | Sample Description | Date Taken | Date Received |
|---|---|---|---|
| 255401 | WASTEWATEWR SAMPLES - GRAB | 12/16/1999 | 12/17/1999 |
| 255402 | WASTEWATER - COMPOSITE | 12/16/1999 | 12/17/1999 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.



Project Representative

6964 HILLSDALE CT. / INDIANAPOLIS, IN 46250 / 317-842-4261 / FAX: 317-842-4286

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Date Received: 12/17/1999
Job Description: SEMI-ANNUAL WASTEWATER ANALYSIS

| Sample Number / Sample I.D.<br>Parameters | Result | Flag | Sample Date/<br>Units | Analyst &<br>Date Analyzed | Method | Reporting<br>Limit |
|---|---|---|---|---|---|---|
| 255401 WASTEWATEWR SAMPLES - GRAB | | | 12/16/1999 | | | |
| Cyanide - Prep | Complete | | | aml / 12/29/1999 | | Complete |
| • Cyanide, Total | <0.005 | | mg/L | sld / 12/30/1999 | EPA 335.4 | <0.005 |
| • Oil & Grease | <5. | | mg/L | mme / 12/27/1999 | EPA 1664 | <5. |
| Oil & Grease, Hydrocarbon | <5. | | mg/L | mme / 12/27/1999 | EPA-1664 | <5. |
| Phenol - Prep | Complete | | | aml / 12/28/1999 | | Complete |
| • Phenol | 0.014 | • | mg/L | tls / 12/29/1999 | EPA 420.2 | <0.010 |
| 255402 WASTEWATER - COMPOSITE | | | 12/16/1999 | | | |
| • Cadmium, ICP | <0.010 | • | mg/L | crm / 12/23/1999 | EPA 200.7 | <0.010 |
| • Chromium, ICP | <0.010 | • | mg/L | crm / 12/23/1999 | EPA 200.7 | <0.010 |
| • Copper, ICP | 0.030 | • | mg/L | crm / 12/23/1999 | EPA 200.7 | <0.010 |
| • Lead, ICP | <0.080 | • | mg/L | crm / 12/23/1999 | EPA 200.7 | <0.080 |
| • Nickel, ICP | 0.041 | • | mg/L | crm / 12/23/1999 | EPA 200.7 | <0.020 |
| • Silver, ICP | <0.020 | • | mg/L | crm / 12/23/1999 | EPA 200.7 | <0.020 |
| • Zinc, ICP | 0.054 | • | mg/L | crm / 12/23/1999 | EPA 200.7 | <0.020 |

# KEY TO ABBREVIATIONS

| | |
|---|---|
| < | Less than; when appearing in the result column, indicates analyte not detected at or above the Reporting Limit. |
| % | Percent; To convert ppm to %, divide result by 10,000. To convert % to ppm, multiply the result by 10,000. |
| * | Indicates the Reporting Limit is elevated due to insufficient sample volume. |
| mg/L | Part per million; Concentration in units of milligrams of analyte per Liter of aqueous sample. |
| ug/L | Part per billion; Concentration in units of micrograms of analyte per Liter of aqueous sample. |
| mg/kg | Part per million; Concentration in units of milligrams of analyte per kilogram of non-aqueous sample. |
| ug/kg | Part per billion; Concentration in units of micrograms of analyte per kilogram of non-aqueous sample. |
| a | Indicates the sample concentration was quantitated using a diesel fuel standard. |
| b | Indicates the analyte of interest was also found in the method blank. |
| c | Sample resembles unknown Hydrocarbon. |
| dw | When indicated, the result is reported on a dry weight basis. The contribution of the moisture content in the sample has been subtracted when calculating the concentration. |
| d1 | Indicates the analyte has elevated Reporting Limit due to high concentration. |
| d2 | Indicates the analyte has elevated Reporting Limit due to matrix. |
| e | Indicates the reported concentration is estimated. |
| f | Indicates the sample concentration was quantitated using a fuel oil standard. |
| g | Indicates the sample concentration was quantitated using a gasoline standard. |
| h | Indicates the sample was analyzed past recommended holding time. |
| i | Insufficient spike concentration due to high analyte concentration in the sample. |
| j | Indicates the reported concentration is below the Reporting Limit. |
| k | Indicates the sample concentration was quantitated using a kerosene standard. |
| l | Indicates an MS/MSD was not analyzed due to insufficient sample. An LCS / LCS Duplicate provided for precision. |
| m | Indicates the sample concentration was quantitated using a mineral spirits standard. |
| o | Indicates the sample concentration was quantitated using a motor oil standard. |
| p | Indicates the sample was post spiked due to sample matrix. |
| q | Indicates MS/MSD exceeded control limits. All other Quality Control Indicators were in control. |
| r | Indicates the sample was received past recommended holding time. |
| s | Indicates the sample concentration was quantitated using a stoddard solvent standard. |
| u | Indicates the sample was received improperly preserved and/or imporperly contained. |
| uj | Indicates the result is below the Reporting Limit and is considered estimated. |

# TESTAMERICA INC.

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Page 1 of 1

*Chain of Custody Record*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ❒ Asheville, NC (A) (828) 254-5169 | ❒ Bartlett, IL (C) (630) 289-3100 | ❒ Cedar Falls, IA (E) (319) 277-2401 | ❒ Charlotte, NC (G) (704) 392-1164 | ❒ Dayton, OH (I) (937) 294-6856 | ❒ Lumberton, NC (K) (910) 738-6190 | ❒ Nashville, TN (M) (615) 726-0177 | ❒ Pontiac, MI (O) (248) 332-1940 | ❒ Rockford. Il (Q) (815) 874-2171 |
| ❒ Atlanta, GA (B) (770) 368-0636 | ❒ Brighton, CO (D) (303) 659-0497 | ❒ Charleston, SC (F) (843) 849-6550 | ❒ Columbia, SC (H) (803) 796-8989 | ❒ Davenport. IA (J) (319) 323-7944 | ☒ Indianapolis, IN (L) (317) 842-4261 | ❒ Macon, GA (N) (912) 757-0811 | ❒ Orlando, FL (P) (407) 851-2560 | ❒ Watertown, WI (R) (920) 261-1660 |

| | |
|---|---|
| Client: Milbank | Project No.: Semi-Annual |
| Report Address: | Invoice Address: |
| | |
| Attn: | Attn: |
| Phone No.: | Sampled By: |
| Fax No.: | P.O. No: |
| **TURNAROUND TIME** | Quote No. |
| ☒ Standard | State Samples Collected |
| ❒ Rush (surcharges may apply) | Date Needed: |

**REQUESTED PARAMETERS**

Is this work being conducted for regulatory compliance monitoring? Yes___ No___

Is this work being conducted for regulatory enforcement action? Yes___ No___

Which regulations apply:
RCRA____ NPDESWastewater____
UST____ Drinking Water____
Other___ None____

| Sample ID | Date 1999 | Time | Comp (C) Grab (G) | Matrix | Lab Use | Cyanide, O+G, TPH | Phenol | Cd, Cr, Pb, Ni, Ag, Zn | Total Chromium | # and type of containers: HCl | NaOH | $HNO_3$ | $H_2SO_4$ | Other | None | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Semi-Annual-Grab | 12/16 | 1320 | G | WW | | X | X | | | 1 | | | 3 | | | |
| Semi-Annual-Comp | 12/16 | — | C | WW | | | | X | X | | | | | | 18 | Please composite using flow reading |

QC Deliverables: ❒ None ❒ Level 2 - Batch QC ❒ Level 3 ❒ Level 4 ❒ Other

Init Lab Temp

Rec Lab Temp: 4.3°C

COMMENTS:

| | | | | | |
|---|---|---|---|---|---|
| Relinquished By: ME Milliken | Date 12/17/99 | Time 1635 | Received By: | Date 12/17 | Time 1635 |
| Relinquished By: | Date | Time | Received By: | Date | Time |
| Relinquished By: | Date | Time | Received By: | Date | Time |
| Relinquished By: | Date | Time | Received By: | Date | Time |

**LAB USE ONLY:**

Custody Seal: ❒ Yes ❒ No ❒ N/A

Bottles Supplied by TA: ☒ Yes ❒ No

MIL0002256

DAILY: EVERY DAY SYSTEM RUNS
1X WEEK: DAY OF WEEK COMPOSITE IS TAKEN (USUALLY THURSDAY)
1X MONTH: TO BE TAKEN FIRST WEEK COMPOSITE IS TAKEN FOR THAT MONTH
SEMI-ANNUAL: TO BE TAKEN FIRST WEEK IN JUNE AND FIRST WEEK IN DECEMBER

# PART I

## A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Beginning the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge process wastewater, through discharge point # 2. Discharge through discharge point # 2 shall be limited and monitored by the permittee as specified below: [1]

| | Discharge Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|
| | Regulated Parameter | Maximum for Any one Day mg/L | RESULT | DATE TAKEN | Monitoring Frequency | Sample Type |
| Cd | Cadmium[5] | .02 | < 0.010 | 12-16-99 | Semi-Annual | Composite[2] |
| Cr | Total Chromium[5] | 2.0 | < 0.010 | 12-16-99 | Semi-Annual | Composite[2] |
| Cu | Copper[5] | 0.60 | 0.030 | 12-16-99 | Semi-Annual | Composite[2] |
| Ca | Cyanide | 0.50 | < 0.005 | 12-16-99 | Semi-Annual | Grab |
| Pb | Lead[5] | 0.10 | < 0.080 | 12-16-99 | Semi-Annual | Composite[2] |
| Ni | Nickel[5] | 0.80 | 0.041 | 12-16-99 | Semi-Annual | Composite[2] |
| Ag | Silver[5] | 0.24 | < 0.020 | 12-16-99 | Semi-Annual | Composite[2] |
| Zn | Zinc[5] | 1.25 | 0.054 | 12-16-99 | 1 X Week | Composite[2] |
| FOG | Oil and Grease[6] | 100 | < 5. | 12-16-99 | Semi-Annual | Grab |
| OIL + GREASE HYDROCARBONS | TPH[6] | (Monitor and report) | < 5. | 12-16-99 | Semi-Annual | Grab |
| | pH | 6-10 | SEE PH LOG | | Daily | Grab |
| | CBOD [4] | (Monitor and report) | | | 1 X Month | Composite[2] |
| Nh3 | Ammonia [4] | (Monitor and report) | | | 1 X Month | Composite[2] |
| | COD [4] | (Monitor and report) | | | 1 X Month | Composite[2] |
| | TSS [4] | (Monitor and report) | | | 1 X Month | Composite[2] |
| | Flow | N/A | SEE FLOW LOG | | Daily [3] | |
| * | TTO | 2.13 | SENT TTO STATEMENT | | Semi-Annual | Grab |
| | Phenol | 0.50 | 0.014 | 12-16-99 | Semi-Annual | Grab |
| Mo | Molybdenum[5] | (Monitor and report) | | | 1 X Month | Composite[2] |

* SEND TTO CERTIFICATION STATEMENT IN LIEU OF MONITORING—INCLUDE A COPY OF THE SOLVENT MANAGEMENT PLAN, ACCIDENTIAL SPILL PREVENTION PROGRAM

12-16-99

MILBANK
MANUFACTURING CO.

Corporate Office:
P.O. Box 419028, Kansas City, Missouri 64141-0028 • (816) 483-5314 • FAX: 483-6357

| TIME | METER READING |
|---|---|
| 7:30 | 262080 |
| 8:00 | 262240 |
| 8:30 | 262370 |
| 9:00 | 262590 |
| 9:30 | 262800 |
| 10:00 | 263020 |
| 10:30 | 263240 |
| 11:00 | 263460 |
| 11:30 | 263710 |
| 12:00 | 263930 |
| 12:30 | 264180 |
| 1:00 | 264420 |
| 1:30 | 264530 |
| 2:00 | 264640 |
| 2:30 | 264750 |
| 3:00 | 265000 |
| 3:30 | 265180 |